Amendments To The Claims:

Please amend the claims as shown.

1 – 14 (canceled)

15. (currently amended) An electric power system ~~device for monitoring an electric power station~~, comprising:

a power plant block; and

a device, including a computer system, coupled to receive data from the power plant block, the device including an analysis module ~~that includes~~ for:

providing a dynamic model of a system of the power plant block ~~electric power station;~~, configured to generate output data based on the data received from the power plant block; and ~~operational data or operational and structural data from the electric power station conveyed to the analysis module as input data; and~~

implementing ~~an~~ at least one algorithm based on artificial intelligence, ~~included by the analysis module~~ that searches for dependencies or correlations among ~~between operational data, operational and structural data in operational data, or operational and structural~~ data received by the device, ~~from the system by a method of artificial intelligence and~~ for integrating into the dynamic model ~~the data correlations identified as~~ new correlations based on said searches to improve the dynamic model of the system, ~~during the operation of the system,~~ ~~wherein~~ thereby enabling provision of output data indicating changes in ~~that characterizes the~~ current ~~and/~~or future operational behavior of the power plant block. ~~system is identifiable by the analysis model.~~

16. (currently amended) The system~~device~~ according to Claim 15, wherein ~~the~~an improvement of the dynamic model is based on continual acquisition of operational or structural data associated with a system in the power plant block, including data ~~includes the identification of the input data that has~~ not ~~been~~ previously used by the dynamic model, which data forms a basis to modify ~~and~~ the dynamic model. ~~is expanded with the help of this input data.~~

17. (currently amended) The system~~device~~ according to Claim 15, wherein the dynamic model further comprises an element from the group consisting of: a physical equation, a neural network, fuzzy logic, and a genetic algorithm.

18. (currently amended) The system~~device~~ according to Claim 15, wherein the dynamic model includes an neural network that is trained using historical operational data from the system.

19. (currently amended) The system~~device~~ according to Claim 15, wherein the device is configurable to include a plurality ~~a number~~ of analysis modules each including ~~are available and include~~ a dynamic model of a system of the power plant block~~electric power station~~ and with said at least one ~~an additional~~ algorithm based on artificial intelligence capable of providing ~~is provided by~~ correlations between the input and output data of a first of the analysis modules and the input and/or output data of a second of the analysis modules. ~~are identifiable.~~

20 - 21. (canceled)

22. (currently amended) The system~~device~~ according to Claim 19~~20~~, wherein the device is configurable to charactrerize ~~additional output data is identifiable by the correlations and the data characterizes the current and/or~~ future operational behavior of the power plant block~~electric power station~~, based on ~~whereby this additional output data includes~~ cross-system information.

23. (currently amended) The system~~device~~ according to Claim 15, wherein the <u>device</u> <u>is configured to process</u> ~~operational data and/or structural~~ data ~~of the technical facility includes one or more items of information~~ from the group consisting of: process data, operational messages, warning messages, disruption messages, monitoring notifications, comments, design of the electric power station, hierarchy of the electric power station, and combinations thereof.

24. (currently amended) The system~~device~~ according to Claim 15, wherein the <u>device</u> <u>is configured to process</u> ~~operational or structural data of the electric power station includes~~ current <u>and</u> ~~and/or~~ historical data <u>associated with the plant power block.</u> ~~from the technical facility.~~

25. (canceled)

26. (currently amended) The system~~device~~ according to Claim 15, wherein the <u>plant</u> <u>power block comprises</u> ~~operational data and structural data from the electric power station is provided by~~ a process control system <u>coupled to provide operational data and structural data,</u> <u>derived from multiple systems of the plant power block, to the device.</u> ~~of the electric power station.~~

27. (canceled)

28. (currently amended) The system~~device~~ according to Claim 15, wherein the <u>device</u> <u>is configurable with the</u> algorithm based on artificial intelligence <u>to develop relationships among</u> ~~improves the interaction of the~~ individual correlations of the dynamic model <u>and develop new</u> <u>parametric values based thereon.</u> ~~such that an interrelationship develops and parameterizes the algorithm based on artificial intelligence for this interrelationship.~~

29.   (currently amended) A method for monitoring a ~~system of the type including a~~ power plant block~~technical installation~~, comprising:

acquiring system data during operation of the power plant block;

providing the data to a computer system;

using the data to exercise ~~conveying operational data or operational and structural data from the technical installation to~~ a first dynamic model of at least one system of the power plant block to provide output data indicative of plant operation~~technical installation as input data~~;

~~improving~~modifying the dynamic model, ~~of the system,~~ with ~~during the operation of the system by an~~ at least one algorithm based on artificial intelligence that searches for dependencies or correlations among acquired data, by integrating into the dynamic model new correlations based on said searches; and ~~dependencies between operational data or operational and structural data are searched for in operational data or operational and structural data by methods of artificial intelligence and correlations identified are integrated into the dynamic model as new correlations; and~~

~~identifying~~providing the output data based on the modification of~~by~~ the dynamic model to characterize~~which characterizes~~ the current or ~~and/or~~ future operational behavior of the power plant block~~system~~.

30.   (currently amended) The method according to Claim 29, wherein the ~~improvement~~step of modifying the dynamic model includes ~~the identification of the~~acquiring input data which has not ~~yet~~been previously used by the dynamic model. ~~and the dynamic model is expanded with the help of this input data.~~

31.   (currently amended) The method according to Claim 29, wherein a plurality ~~number~~of additional dynamic models are exercised, ~~provided and in~~each model describing ~~ease describe~~operation of a system of the power plant block~~technical installation~~ and wherein the step of modifying the first dynamic model includes developing ~~an additional algorithm based on artificial intelligence is provided and by~~correlations based on ~~between the~~input ~~and output~~data associated with ~~of a~~the first ~~of the~~dynamic models and ~~the~~input ~~and/or output~~ data associated with ~~of a second~~one of the additional dynamic models.~~are identifiable.~~

32. (canceled)

33. (currently amended) The method according to Claim 31, characterized in that ~~the~~ step of modifying the first dynamic model includes developing correlations between ~~additional~~ output data associated with the first dynamic model and said one of the additional dynamic models ~~is identifiable by the correlations, the data characterizing the current and/or future operational behavior of the technical installation,~~ whereby the ~~this additional~~ output data includes cross-system information.

34. (canceled)